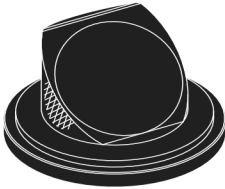




a xylem brand

# SC-FDO<sup>®</sup> 701

## Handling of the sensor cap



- Dirt and moisture below the sensor cap can have negative influences on the function of the sensor and decrease lifetime of the sensor cap. Please pay attention to clean and dry working environment, when taking off the sensor cap.
- Please do not touch the outer sensor membrane with your fingers. Touch the sensor cap principally only at the sides (hatched area in the figure on the left).
- Avoid strong mechanical forces on the sensor membrane (pressure, scratches).
- The impact of light, particularly daylight, on the inner side of the sensor cap will have, over some time, an impact on the measuring properties and can shorten the lifetime of the sensor cap. Therefore, the inner side of the sensor cap should not be exposed particularly to direct sunlight. Principally, incidence of light should be avoided, which overexceed normal maintenance and cleaning work. Please store dismounted sensor caps only in light protected environments.



### Note

The operation of the SC-FDO<sup>®</sup> 701 requires the version 2.15 (or higher) of the FDO<sup>®</sup> sensor software.

## Technical data

Optical measurement based on photoluminescence.

D. O. partial pressure 0 ... 400 hPa

Measuring mode	Measuring range	Resolution
D. O. concentration	0 ... 20.00 mg/l	0.01 mg/l
	0 ... 20.00 ppm	0.01 ppm
D. O. saturation	0 ... 200.0 %	0.1 %

t<sub>90</sub> (90 % of the final display value after) < 60 s

t<sub>95</sub> (95 % of the final display value after) < 80 s

No incident flow required

Non-sensitive to hydrogen sulfide, chlorine, and ionogenic substances

Measuring medium	-5 °C ... + 40 °C (23 ... 104 °F)
Storage/transport	- 25 °C ... + 40 °C (-33 ... 104 °F)

4 ... 12

6 month guaranteed for authorized used under the given ambient conditions

**Measuring principle**  
**Measuring ranges and resolutions**

**Response time**  
**(EN ISO 15839)**

**Minimum approach flow**  
**Interferences**

**Allowed temperature range**

**Allowed pH range of the measuring medium**

**Working life**